Spidell and Associates, Ltd. Co.

2403 Spaulding, Boise, Idaho 83705 (208) 336-4862

July 31, 2003

Steve M. Ogle, E.I.T.
Permit Analyst
Air Quality Permit Program
State of Idaho Department of Environmental Quality
1410 North Hilton
Boise, Idaho 83706-1255

RECEIVED

AUG 0 1 2003

Department of Environmental Quality State Air Program

RE: May 1, 2003 Letter from Steve Ogle Request for Additional Information, Tier I Operating Permit Application AIRs Facility No. 079-00038, Sounstrand. Inc. Wallace.

Dear Mr. Ogle,

The January 6, 2003 Tier I Operating Permit Application has been revised to include the information you ask for in your May 1, 2003 letter. The changes include a revised emission estimate, new styrene EL calculation, emission information for the dust cyclone and a PM-10 Model analysis to demonstrate the cyclone emissions do not exceed the NAAQS PM-10 limit.

The following 5 paragraphs provide responses to each bulleted paragraph of your May 1, letter. The MSDS sheets and plan diagrams for the SM8 were included in the January application.

Bullet 1, page 1. The facility has been divided into emission units. Information for each unit is provided in Section 3 of the IDEQ forms attached as Appendix A. Emission estimates were recalculated using Vapor Suppression Resin Emission Factors.

The resin emission factors were taken from the CFA Emission Factor list as used in the Fiberglass Systems Permit Application. The Styrene Emission Factors are listed in Table 1. The Emission Summary is included as Table 2 and identifies emissions by the emission units. PM-10 Emissions for the dust cyclone are identified. The CFA Emission Factor list is attached as Table 3.

Bullet 2, page 1. The revised application contains a list of applicable regulations. The facility does not have any NSPS sources, no Combustion Sources or Generators.. Emissions from the Mark 8 building do not contain Styrene emissions or any other HAP emissions. There is only one dust cyclone that emits 0.6 pounds per hour. PM 10 Emissions were modeled to demonstrate compliance with the PM NAAQS Standards. Copies of the electronic model data are included in the revised application in Appendix C.

There are no SO2, NOX or CO emitting sources. The natural gas and hot water heating system is exempt along with the one small storage tank.

Bullet 3, page 1. Insignificant activities have been identified. The emission units are described in the IDEQ forms in Appendix A and in the Model Analysis Discussion of Appendix B.

Bullet 4, page 2. Spunstrand, Inc. has entered into a Consent Decree with the IDEQ and have paid the appropriate fine. Results of the Emission Calculations for Styrene and PM-10 along with the PM-10 Model demonstrate compliance with the Styrene EL and with the PM-10 NAAQS Standard of 150 ug/meter.

<u>Bullet 4, page 2.</u> The compliance description for the emission units is the monitoring of the hourly material use at each unit and the records from the quarterly Facility Fugitive and Visible Emission monitoring.

Compliance with the applicable Styrene EL can be documented using records of the gallons of material used at each emission unit per hour.

Compliance with the Facility applicable regulations can be demonstrated by performing quarterly Fugitive and Visible monitoring.

Compliance with the Fugitive Emission Regulations can be demonstrated by recording measures used, if needed to limit emissions from roads or open ground along with any product stored outside of the buildings.

Thank you for the opportunity to submit this additional information. I will endeavor to quickly respond to any future information requests. Please contact Randy or me at (208) 336-4862. When in the field, I may take 24 hours to call you back. I can not check email or faxes when out of the office.

Sincerely

cc: Kirk Nelson

TIER I OPERATING PERMIT APPLICATION

Spunstrand, Incorporated Wallace, Idaho

Prepared For:

Edgar H. Nelson

Vice President of Manufacturing

Spunstrand, Incorporated

60662 Northside Frontage Road

P.O. Box 1147

Wallace, Idaho 83873 Phone: (208) 752-1157 FAX: (208) 556-0133

Prepared By:

Spidell and Associates, Ltd. Co.

2403 Spaulding Boise, Idaho 83705 Phone: (208) 336-4862 FAX: (208) 336-2537

July 31, 2003

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INTRODUCTION

Spunstrand, Incorporated has operated at 60662 Northside Frontage Road since 1961. The company makes fiberglass reinforced duct work, pipes tubing and tanks. using the filament winding method. A location map, Site Plan and Building Layout are attached as Figures 1 through 3

Filament winding is the process of laying a band of resin impregnated fibers onto a rotating mandrel surface in a precise geometric pattern and curing them to form the product. This is an efficient method of producing cylindrical parts with optimum strength characteristics. Glass fiber is used for the filament, but other materials may be used, this filament is wetted and wound on the mandrel.

The facility consists of three work areas, The Main Building, the Mark 8 Building and a Warehouse. The Main Building, depicted in Figure 3 contains 3 winding machines a pulling station, a cutting station and a chopper station. Small repairs or corrections are made using a hand held spray chopper machine. The Ware House is used for storage and packaging.

The January 6, 2003 Tier I Operating Permit Application has been revised to include the information required in a IDEQ May 1, 2003 letter. A revised emission estimate, new styrene EL calculation, emission information for the dust cyclone, a ISCTP Model with analysis to demonstrate the cyclone emissions do not exceed the NAAQS PM-10 limits have been attached. The MSDS sheets and plan diagrams for the SM8 are not changed are not included.

The facility has been divided into emission units. Information for each unit is provided in Section 3 of the IDEQ forms attached as Appendix A. Emission estimates were recalculated using Vapor Suppression Resin Emission Factors. The emission units vent through the building ventilation system.

The Styrene emission factors were taken from the CFA Emission Factor list as used in the Fiberglass Systems Permit Application. The Styrene Emission Factors are listed in Table 1. The Emission Summary is included as Table 2 and identifies emissions by the emission units. PM-10 Emissions for the dust cyclone are identified.

EMISSIONS

Styrene emissions were calculated using the Unified Emission Factors for Open Molding of Composites published by the Composites Fabricators Associated, dated July 23, 2001 and anticipated purchased quantities of the necessary chemicals. Concentrations of Styrene were taken from the MSDS Sheets contained in Appendix A of the January 2003 Application.

The calculated Styrene Emissions are below the Styrene EL of 6.6 pounds per hour. Because the emissions are below the EL and there is not a NAAQS for VOC an Air Quality Model was not performed. The pound per hour emission was calculated from the 2001 material listed contained in Table 2 and the operating hours calculated from an 8 hour work day, 6 days a week and 52 weeks per year. The potential emissions were calculated using this hourly emission rate and 8,760 hours per year.

Emissions from the Mark 8 building do not contain Styrene emissions or any other HAP emissions. There is only one dust cyclone that emits 0.6 pounds per hour. PM 10 Emissions were modeled to demonstrate compliance with the PM NAAQS Standards. A Model Analysis discussion is attached as Appendix B and the electronic model data is attached as Appendix C. There are no SO2, NOX or CO emitting sources. The natural gas and hot water heating system is exempt along with the one small storage tank.

APPLICABLE REGULATIONS

The IDEQ and Federal applicable Regulations are listed below.

IDAPA 58.01.01.008.10	Not a Major Facility
IDAPA 58.01.01.121128	Facility Requirements
IDAPA 58.01.01.123	Certification of Documents
IDAPA 58.01.01.130 to 136	Excess Emissions
IDAPA 58.01.01.157	Compliance Testing
IDAPA 58.01.01.200	Permit to Construct
IDAPA 58.01.01.201	PTC Required
IDAPA 58.01.01.210	Demonstration of Pre-construction Compliance with
	Toxic Standards
IDAPA 58.01.01.211	O and M Manual
IDAPA 58.01.01.211.01	Fugitive Dust Monitoring
IDAPA 58.01.01.211.04	Record Through Put during Test
IDAPA 58.01.01.224	Permit to Construct Application Fees
IDAPA 58.01.01.225	Permit to Construct Processing Fee
IDAPA 58.01.01.322.0609	Methods to Control Fugitive Dust
IDAPA 58.01.01.324	Permit Shield
IDAPA 58.01.01.550	Air Pollution Emergency Rules
IDAPA 58.01.01.577	National Ambient Air Quality Standards for Specific Air
	Pollutants
IDAPA 58.01.01.600-616	Rules for the Control of Open Burning
IDAPA 58.01.01.625	Visible Emissions
IDAPA 58.01.01.650-651	Fugitive Dust Reasonable Control
IDAPA 58.01.01.702	Process Rate Weight
IDAPA 58.01.01.775-776	Rules for the Control of Odors
40 CFR 52.670-690	Prevention of Significant Deterioration (PSD)

40 CFR 60

New Source Performance Standards (NSPS)

40 CFR 61 & 63

National Emission Standards for Hazardous Air Pollutants (NESHAP) and Maximum Available Control Technology

(MACT)

- 42 U.S.C Sections 7401 through 7515
- 42 U.S.C Sections 7411 including 40 CFR Part 60
- 42 U.S.C Section 7412 including 40 CFR Part 61 and 40 CFR Part 63
- 42 U.S.C. Sections 7651 through 7651o Acid Rain Program
- 42 U.S.C Section 7414(a)(3), 42 U.S.C. Section 7661c(b) or IDAPA 120 through 128
- 42 U.S.C Section 7429 Solid Waste Incineration
- 42 U.S.C Section 7511b(e) Consumer, Commercial Products and tank vessels
- 42 U.S.C Sections 7671 through 7671q including 40 CFR Part 82
- 42 U.S.C Sections 7470 through 7492 as applied to temporary sources IDAPA 324

FACILITY CLASSIFICATION

This facility is classified as a major facility since its potential to emit is more than the following:

- 10 T/yr of any single hazardous air pollutant.
- 25 T/yr of any combination of hazardous air pollutants.

This facility is a Tier I Source and is required to apply for a Tier I Permit. The Facility is required to remit Emission Fee's.

AREA CLASSIFICATION

This facility is located in Shoshone County, which is an area that is unclassifiable for all criteria pollutants.

COMPLIANCE MONITORING

Compliance with the applicable Styrene EL can be documented using records of the gallons of material used at each emission unit per hour.

Compliance with the Facility applicable regulations can be demonstrated by performing quarterly Fugitive and Visible monitoring.

Compliance with the Fugitive Emission Regulations can be demonstrated by recording measures used, if needed to limit emissions from roads or open ground along with any product stored outside of the buildings.

Table 1
Styrene Emission Factors
Filament Application with Vapor Suppressed Resin

Emission Rate
lb Styrene/Ton Resin
0.12 × %Styrene × 2000
79
83
86
90
93
97
100
104
108
111
115
118
122
125
129
133
136
140
0.65 × ((0.2746 × % Styrene) - 0.0298) ×2000

Emission Factors From Composites Fabricators Association, April 7, 1999.

Table 2

EMISSION SUMMARY Spunstrand, Inc.

Actual Opperating Hours per Year

Maximum Opperating Hours per Year

8

2496 8760

				Total	emisson Factor			Potential Styrene
		Quantity		Styrene	Ib Styrene/	Actual Styre	ene Emissions	Emissions
Material Communicated (NICO) in programme and co	Resin	(lb/yr)	% Styrene	(lb/yr) -	ton Resin	(Ab/hr)	(tons/yr)-	(tosss/yr-)
0801	Styrene	800	100.0	0,008	318.24	0.051	0.0636	0.2234
AS197P	Hetron Polyester 197P	12,009	42,0	5040.0	111	0.267	0.3330	1.1687
AS620T20	Hetron FR 620T20	13,750	32.3	4441.3	77.52	0.214	0.2665	0.9352
AS700	Ashland Hetron	450	41.0	184.5	108	0.010	0.0122	0.0426
AS7334T15	Flex Iso	15,500	41.0	6355.0	108	0:335	0.4185	1.4688
AS922L	Hetron FR 922L	14,400	48.0	6912.0	133	0.384	0.4788	1,6804
AS922L25	Hetron Vinyl Ester	4,500	41.0	1845-0	108	0.097	0.1215	0.4264
AS99P	Hetron ISO FR 99P	29,150	36.0	10494.0	90	0.526	0.6559	2.3019
ASFR620T20-	FR Hetron Resin	18,150	32.3	5862.5	77.52	0.282	0.3517	1.2345
ASFR992	Hetron VE 922	51,000	41.0	20910.0	108	1.103	1.3770	4.8327
ASQ6367	FR Hetron Resin 6367	2,750	41.0	1127.5	108	0.059	0:0743-	0.2606
ASQ6490	Terephthalic Lam Res	126,520	44.6	56427.9	120.4	3.051	3.8083	13.3655
B-396P-IUU	Roberts Gray Iso Gel	142	28.0	39.8	67.2	0:002	-0.0024	0.0084
510-C-350M VE	DX Derakane	19,436	35.0	6802.6	86	0.335	0.4179	1.4666
FV 742-1695	Iso Resin -	45	41.9	18.9	110.7	0.001	0.0012	0.0044
DX 745-4635	Iso Resin	8,000	46.9	3752.0	128.6	0.206	0.2572	0.9027
411-45 4852	DX Derakane	904	45.0	406.8	122	6.022	0.0276	0.0968
510A-40	DX Derakane	8,619	37.5	3232.1	95	0.164	0.2047	0.7184
470-300M VE	DX Derakane	13,550	33.0	4471.5	79	0.214	0.2676	0.9392
	Total	316,466		139123.3		7.324	9.140	32.077
	Total on-site use (90%)	284,819		125,210,93		6.401	8.226	28.869

Styrene Emissions

Emission Unit	(lb/br)	(tons/yr)
MAC 1	2.636	11.548
MAC 2	2.636	11.548
MAC 3	1.318	5.774
TOTAL	6.593	28.869

PM10 Emissions

	Emission Exhaust	Potential
	Factor Flow-	-PM-Emission Rate
Emission Unit	grains/dscf dscf/min	lb/hr tons/yr
Dust Collection Cyclone	0.1 700.4	0.600 2.630

Material Balance

Material	Jb/hr Used
Total Resin	114.11
Total Styrene Used	50.16
Total Styrene Emissions	6.591
Total Styrene in Product	43.57
Total Fiberglass Filiment	139.47
Total Product	253.58
Total Duci	223.15
Total Waste	30.43

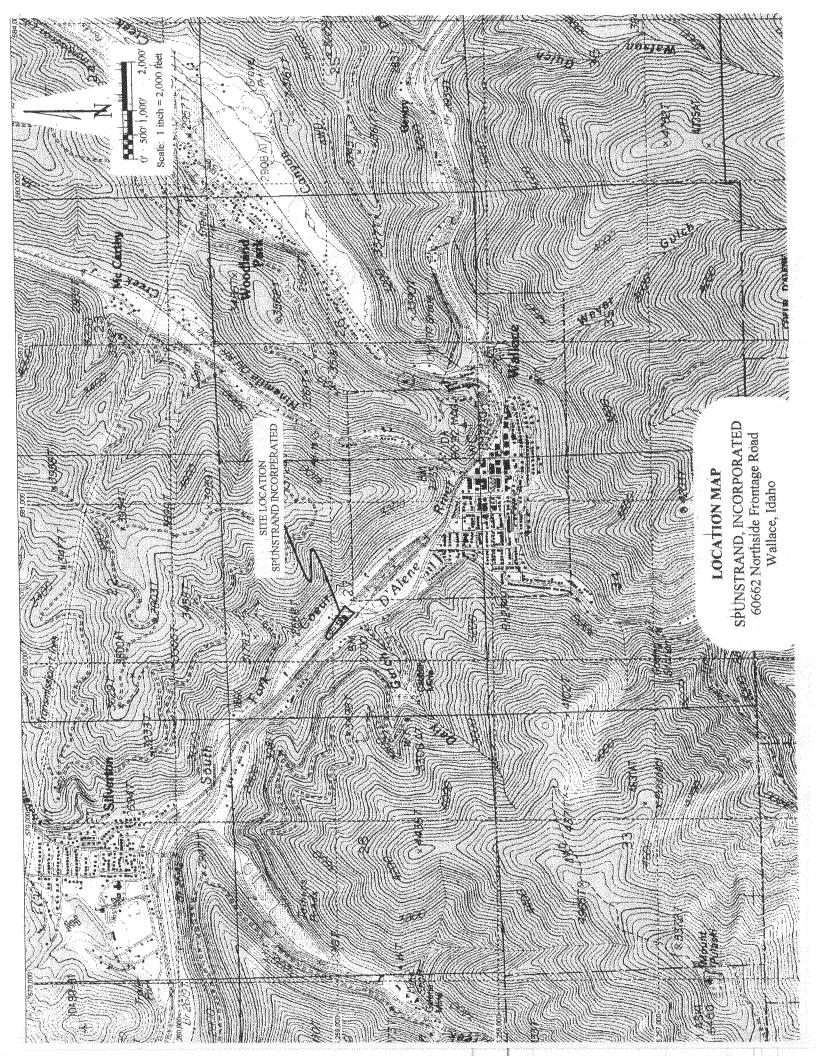
Unified Emission Factors for Open Molding of Composites

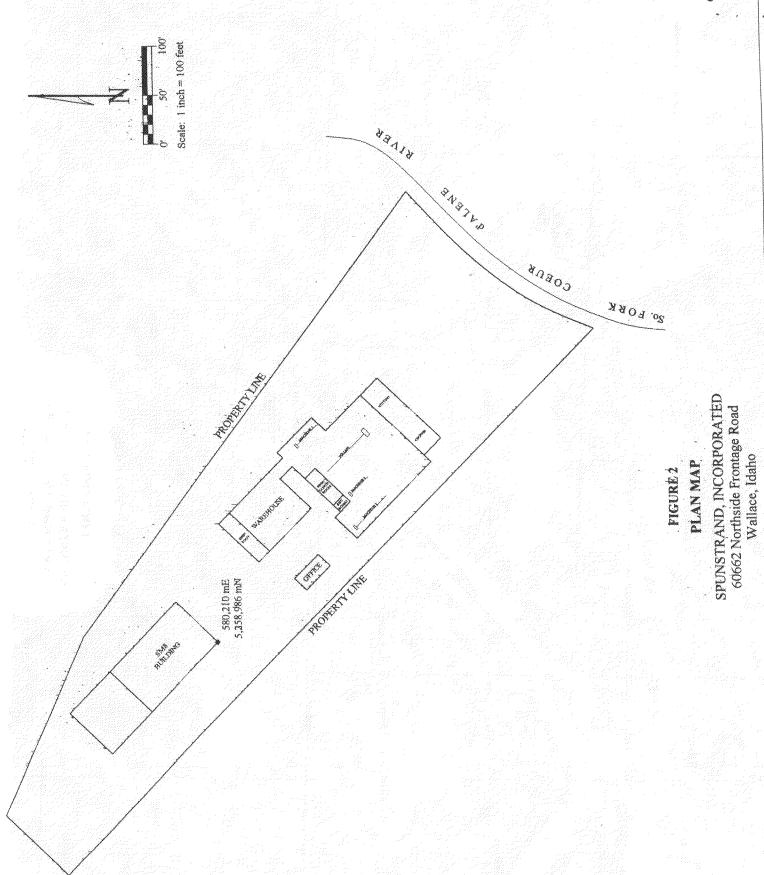
Provided by Composites Fabricators Association, dated July 23, 2001

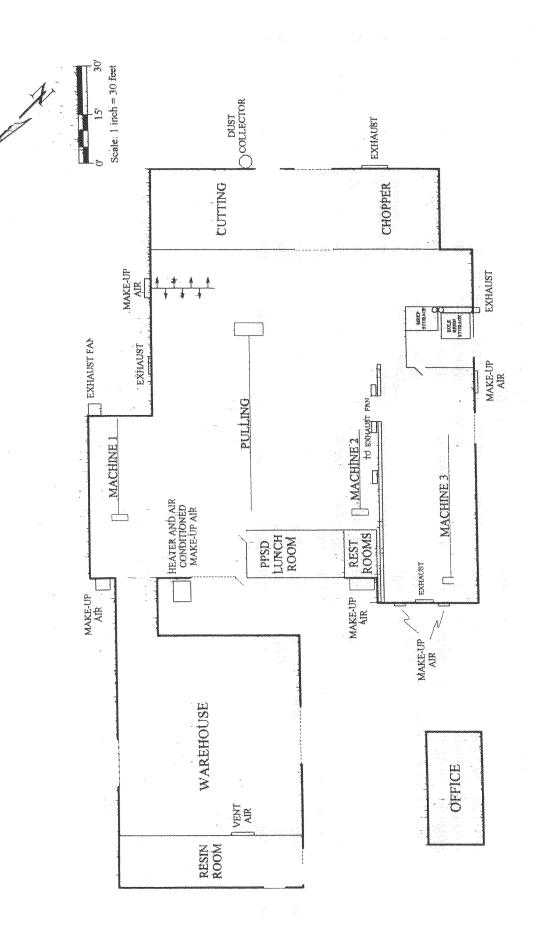
Emission Rate in Pounds of Styrene Emitted per Ton of Resin or Gelcoat Processed

Application	
Process	former a

Styrene content in resin/gelcoat, % (1)		<33	ol (33	34	35	36	37	38	39,	40	41	.42	43	44	45	46	.77	48	49	,5 0	The second second	>50 (0)
Manual	2000		styrene		83	89																180	- 0,0529	· · · · · · · · · · · · · · · · · · ·
Manual with Vapor Suppressed Resin VSR (3)																							essant for	
Mechanical Atomized	2000		styrene																				- 0.18)	
Mechanical Atomized with VSR (a)	Mech formu			nize	d er																	3		uppressant
Mechanical Atomized Gontrolled Spray (4)	2000		styrene	1	86																	273	styrene	0.714 x % 0.18) x 2000
Mechanical Controlled Spray with VSR			al Ator					Spra	y em	issi	on fa	ictor	[liste											for each
Mechanical Non-Atomized	0.107	x %	styren	Э×	71	74	77	l .			89		96							Total Control		124	- 0.0165	x % styrene)
Mechanical Non-Atomized with VSR (3)	Mech			-Atc	miz																			esin/suppressant
Filament application	0.184	x %	styren	ЭX	122	127	133	138	1/1/4				1				5	1			1	215	- 0.0298	x % styrene) 3, x 2000
Filament application with VSR (1975)			styreni	1	79	83	86	90	93												1	140	styrene	0.2746 x % -0.0298) x 2000
Gelcoat Application	0.445		styren	, in		1	1		1	-	1			1		1	l	1	1	1	1 :	646	0,195)	id x % styrene)- 2000
Gelcoat Controlled Spray	2000 0.325 2000	x %	styreni	- 1		1	ł	1	1.	1	1	1	1			1	1	1	1	1 .	1	472	styrene	1.03646 x % - 0.195) x 2000
Application (4) Gelcoat Non-Atomized	SEE		7 belo	1		1	1	1		1	1	1	1					1	1	1	1	350	((0,450) - 0,050	x % styrene) y x 2000
Application (6) Covered-Cure after Roll-Out	Non-	VSR	proces	18 61	miss	ion I	acto	list	ed a	ove	X	(0.8	30 for	Mar	rual	<or.< td=""><td>> 0.</td><td>85 fc</td><td>r Me</td><td>ichar</td><td>nical)</td><td></td><td></td><td></td></or.<>	> 0.	85 fc	r Me	ichar	nical)			
Styrene content in resin/	<33	33	34	35		36	37	38	39	đ	0	41	42	43	4	4	45	46	47	48	49	50		>50 (2)
gel coat, % (1) Covernd-Cure without Roll- Out	Non-	VSR	proces	8 0	miss	ion f	acto	r (list	ed al	oove	X	(0.5	50 for	Mar	ival	<or< td=""><td>> 0.5</td><td>55 fo</td><td>r Med</td><td>chan</td><td>ical)</td><td></td><td></td><td>The same was a second and the second</td></or<>	> 0.5	55 fo	r Med	chan	ical)			The same was a second and the second







BUILDING LAYOUT
SPUNSTRAND, INCORPORATED
60662 Northside Frontage Road
Wallace, Idaho

PM10 Air Dispersion Modeling Results Spunstrand Incorporated

Model ISC3P ISC3P	File Prim87PM.USF Prim87PM.USF	POI PMTEN PMTEN PMTEN	Average ANNUAL 24-HR 24-HR	Group DCCYC DCCYC DCCYC	Rank 1ST 1ST 6TH	<u>Conc.</u> 13.51546 106.54626 71.4808	East(X) 580270 580243.38 580243.38	North(Y) 5258905.5 5258931.5 5258931.5		Met File Spoke87 met Spoke87 met Spoke87 met	Sources 1 1	Groups 1 1 1	903 903 903
ISC3P ISC3P ISC3P	Prim88PM.USF Prim88PM.USF Prim88PM.USF	PMTEN PMTEN PMTEN		DCCYC DCCYC DCCYC	1ST 1ST 6TH	14.51983 86.56806 63.5475	580270 580243.38 580230.13	5258905.5 5258931.5 5258944	8784 88013124 88010424	Spoke88.met Spoke88.met Spoke88.met	and, such amb	4	903 903 903
ISC3P ISC3P	Prim89PM.USF Prim89PM.USF Prim89PM.USF	PMTEN PMTEN PMTEN	ANNUAL 24-HR 24-HR	DCCYC DCCYC DCCYC	1ST 1ST 6TH	13,22056 84,5665, 53,03784	580256.69 580230.13 580243.38	5258918.5 5258944 5258931.5	8760 89020724 89103124	Spoke89.met Spoke89.met Spoke89.met	wedder earlike wedde.	1 1	903 903
ISC3P ISC3P ISC3P	Prim90PM.USF Prim90PM.USF Prim90PM.USF	PMTEN PMTEN PMTEN	ANNUAL 24-HR 24-HR	DCCYC DCCYC DCCYC	1ST 1ST 6TH	14.94815 92.15041 56.52797	580270 580270 580270		8760 90110524 90101024	SPOKE90.MET SPOKE90.MET SPOKE90.MET	1	denne denne	903 903
ISC3P ISC3P	Prime1PM.USF Prime1PM.USF Prime1PM.USF	PMTEN PMTEN PMTEN	ANNUAL 24-HR 24-HR	DCCYC DCCYC DCCYC	1ST 1ST 6TH	13.80631 77.81767 55.04554	580256.69 580243.38 580270	5258918.5 5258931.5 5258905.5	8760 91112924 91091624	SPOKE91.MET SPOKE91.MET SPOKE91.MET	made made made	1 1	903 903 903

Appendix A
IDEQ Application Forms

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME		n dere u sampre escolo i le confil le contrate de la contrate de la filma de la contrate de la c]
STREET ADDRESS OR P.O. BOX						
CITY					. Angeleta en escripció Printintia de la manación de mandre en entre en esta en entre en esta en entre en el m Antenio en entre en e	
STATE ZIP						
PERSON TO CONTACT						
TITLE						MINNING.
PHONE NUMBER						
EXACT PLANT LOCATION						engeon
GENERAL NATURE OF BUSINESS			он и менен менен бай бай бай он от			enanene trouve
NUMBER OF FULL-TIME EMPLOYEES						
PROPERTY AREA (ACRES)			REASON FOR APPLICATION (1) Change of Owner or Locatio (2) Tier I Permit to Operate (3) Tier II Permit to Operate	'n		
DISTANCE TO NEAREST STATE BORDER (MILES)						
PRIMARY SIG			SECONDARY SIC			
PLANT LOCATION COUNTY			ELEVATION (FT)		ytanyananya juunyi Mittara mananingii mataka mananingii mataka mananingii mataka mananingii mataka mananingii m	
UTM ZONE						
UTM (X) GOORDINATE (KM)			UTM (Y) COORDINATE (KM)			
NAME OF FACILITIES List all facilities with the State that ere under the state that every state of the state of t	you' contrat or una		e all, Il none, so state			
Based on information and bekel formed after Logitify the statements and information in the						
SIGNATURE OF AWNER OR RESPONSIBLE				DATE		

SECTION 1: GENERAL INFORMATION

COMPANY & DIVISION NAME	Spundstrai	nd Incorporated		
STREET ADDRESS OR P.O. BOX	P.O. Box 1	147		
CITY	Wallace			
STATE Idaho ZIP	83873			
PERSON TO CONTACT	Edgar H.	Yelson		
TITLE	Vice Presi	dent of Manufacturing		
PHONE NUMBER	(208) 752-	1.157		
EXACT PLANT LOCATION	60662 Nor	thside Frontage Road, Wallace	, Idaho	
GENERAL NATURE OF BUSINESS	Fiberglass	Filament Winding		
NUMBER OF FULL-TIME EMPLOY	√ <u>36</u>			
PROPERTY AREA (ACRES)			REASON FOR APPLICATION (1) Change of Owner or Location (2) Ther F Permit to Operate (3) Ther H Permit to Operate	2
DISTANCE TO NEAREST STATE & (MILES)	25			
PRIMARY SIC	3084	The state of the s	SECONDARY SIC	
PLANT LOCATION COUNTY	Shoshone		ELEVATION (FT)	2,700
UTM ZONE	11			
UTM (X) COORDINATE (KM)	580,269		UTM (Y) COORDINATE (KM)	5,258.941
NAME OF FACILITIES List all facilities with the State that are u	nder your contr	LOCATION OF OTHER FACILE		
NONE]			
			need-break and the committee of the comm	
OWNER OR RESPONSIBLE OFFIC	CIAL	Edgar H. Nelson		
TITLE OF RESPONSIBLE OFFICE	NL.	Vice President of Manufactu	ring	
Based on information and belief I certify the statements and infor	tormed after mation in thi	reasonable inquiry s document are accurate and con	aplete.	
SIGNATURE OF OWNER OR RESI	ONSIBLE OF	FICIAL.	DAT	B
*			Marketter galaxie et al. de la companya et esta esta esta esta esta esta esta	and the second of the second

SECTION 2: FUEL BURNING EQUIPMENT NOT APPLICABLE

DEQ USE ONLY	ing manakan menekan pelakan di sengi planetan pengan pelakah mengapan yang panggan pengan pengan pengan pengan				
DEQ PLANT ID CODE.		DEQ PROCESS CODE	DEQ STA	CKID CODE	от не постоя по постоя на пост На постоя на пост
DEQ BUILDING CODE		PRIMARY SCC	SECOND	ARY SCC	
DEQ SEGMENT CODE					
PART A: GENERAL	SYFORMATION	en meneral personal and constructive control and an extension of management and control personal control and contr	resident in state and a state of the state o	от на водения на водения на применения на применения на применения на применения на применения на применения н Применения на применения н	aparanteriaria de la companio de la
PROCESS CODE OR DESC	CRIPTION				
STACK DESCRIPTION			inkrimen in som gradining mande kolen in minimen om en krimförining min til til krimen kalmalagin kapappappap Til krimen in som som som en som e		
BUILDING DESCRIPTION			от от учествення в на верхно и на на населения в на при на пр В на при		
MANUFACTURER		MODEL [DATE.	INSTALLED	
			DATE	LAST MODIFIED	
RATED CA	APACITY (CHOOSE A	PPROPRIATE UNITS)			
MILLION BTU/HR	1000 LB	S STEAM/HR	KILOWATTS	HORSEPOWER	
BURNER TYPE		% USED FOR PROCESS [
		% USED FOR SPACE HEAT	and the control of th		
FUEL DAT	CA				
PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS	
FUEL CODE (SEE NOTE)	Anne di seriente de la companya de l				
PERCENT SULFUR		J			
PERCENT ASH]			
PERCENT NITROGEN	general program mental and tradition desirable program and tradition desirable program and tradition desirable program and tradition and tradi				
PERCENT CARBON]			
PERCENT HYDROGEN	And the delication of the second seco				
PERCENT MOISTURE					
HEAT CONTENT (BTU/UNIT)					
MAXIMUM HOURLY COMBUSTION RATE (U	NITS/HR)				
NORMAL ANNUAL. COMBUSTION RATE (U	INITS/YR)				
NOTE: BURNER TYPE -	01) SPREAD STOKER; 02) (CHAIN OR TRAVELING GRA	ATE, 03) HAND FIRED; 04) CYC	LONE FURNACE;	
			Y BOTTOM (PULVERIZED COA		
	07) UNDERFEED STO	DKERS; 08) TANGENTIALLY	FIRED; 09) HORIZONTALLY F	IRED; 10) AXIALLY FIRED;	
	11) OTHER (SPECIFY	paranamental management of the second			
FUEL CODES - (L OIL; 04) #5 OR #6 FUEL OIL; (the way to be a second of the	
			SHAVINGS; 09) SANDER DUST;		
	14) PROPANE; 15) OF		COAL; 12) ANTHRACITE COAL;	13) LIGNITE COAL	
			· ·		

SECTION 2, PART B NOT APPLICABLE

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE			
DEC-FEB		HOURS/DAY			
MAR-MAY		DAY/WEEK	And the Control of th		
JUN-AUG		WEEKS/YEAR			
SEP-NOV		VV L.M.Ph.M/ L.M.Ph.	minous Page		
SET-140 V					
POLLUTION CONTROL EA					
PARAMETER TYPE	PRIMARY	Proposition for the section of the Proposition of the Section of t	SECONDARY	in the second	
TYPE CODE (FROM APP. A)		Transport consistence and construction of the			
MANUFACTURER					
MODEL NUMBER		nder geleiche Bereitster geschen der Gestellung geschen der gesche			
PRESSURE DROP (IN. OF WATER)		than included and the contract of the contract	And a continue of the continue	nerennen meter sentre aus in merenne vertreit kolonistikan sa melaperian distribut di demokratis sentre se ember austribut diberg	
WET SCRUBBER FLOW (GPM)					
BAGHOUSE AIR/CLOTH EATIO (FPM)					
	Brown-years-transitive-educe-g-veroning-gagagage-		bosomooneen alexandres and a		
VENTILATION AND BUILT	DING/AREA DATA	STACK DATA		ginning war war was a state of the state of	
ENCLOSED (Y/N)?		GROUND ELEVATION (FT)		Surrous constitutes performation for the constitution of the const	
HOOD TYPE (FROM APP. B)	grammaneleonoritainen erintein erintein oli	UTM X COORDINATE (KM)			
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)			
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)		
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GRO	UND LEVEL (FT)		
BUILDING/AREA LENGTH (FT)		STACK EXIT DIAMETER (FT)			
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS FLOWRATE (AG	CFM)		
		STACK EXIT TEMPERATURE (DE	(G. F)		
AIR POLLUTANT EMISSION	INS			,	
POLLUTANT CAS NUMBER	EMISSION -	PERCENT ESTIMAT		ALLOWABLE EMIS	SIONS
	FACTOR (SEE BELOW)	CONTROL MEASU EFFICIENCY EMISSI	ONS	(LBS/HR) (TONS/YR)	REFERENCE
PM		(LBS/	nk)		**************************************
PM-10		Secretary production to approximate and approximate for the contract of the co			
SO2	The control of the co	Reserve imperior and recommendation of the contraction of the contract	nomen in a company		
co	Processor constructions appelled to the Marian conjunction in the Conference of the	Section for the section of the secti			
NOX		Any and the second measurement of the second	ACCOMPANIAN PARKATA		
VOC	encontraction de angle annotation from the presence any constraints. The presence and the constraints of the department of the constraints of the	Execution control in manufactures and an interest of the control o	mentapa-comunita		
LEAD		And the contract of the contra			
Lacertal programme and the common control of the					
		Annexamination of the contract	1986 François authorites Profession projection (de la		
		Portugui protocolomica de la companie de la compani			
			100 Th Specify South of Armadon S		
	Subsequencing services to consistent the receiver in the service of the service o	- International Contraction of the Contraction of t			
	1		-	L	J

NOTE:

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) NORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA-SECTION.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY		aanskoolyyksikootootootootootootootootootootootootoot	Professionary contracts and an artist and an artist and a second a second and a second a second and a second			Tanan kan manan
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					•	
PART A: GENERA	L INPORMATION	an a	не се в в на принципання на при	aprilaharinya dinambanikan pengalangan kangan k	еп основа о на положения в под образования в под образования в под образования в под образования в под образова	доской меняти придадать предобращений образору на подней подней подней подней подней подней подней подней подн
PROCESS CODE OR DES	CRIPTION	MAC1				
STACK DESCRIPTION		NOT APPLICAB	TES			
BUILDING DESCRIPTION	4	BLDG1				
MANUFACTURER			MODEL		DATE INSTALLED	
					DATE LAST MODIFIED	
PROCES!	SING DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
INPUT. Fiberglas	s Filament and Resin	101.431	101.431	produce the second contract of the second con		
PRODUCT OUTPUT	Fiberglass Duct	89.26	89.26	lb/hr		
WASTE OUTPUT	Trim Scrap	12.172	12,172	- lb/hr		
RECYCLE						
AND THE GOOD AND ADDRESS AND A	TAL HAPS IN PROCES	miningsprings minings (15 pages) and a second policies.				
HAP DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUCT STREAM BY WEIGHT	FRACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCL STREAM BY WEIGHT
STYRENE		100-42-5	0.1978	0.0938	0.0128	0
	and a second and a					
	and the self-of-child child ch					
						Summer determination of different and determinations are associated experimental experimenta

SECTION 3, PART B

,					
OPERATING DATA					
PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE			
DEC-FEB NA		HOURS/DAY 8			
MAR-MAY NA		DAY/WEEK 6			
JUN-AUG NA		WEEKS/YEAR 52			
SEP-NOV NA					
DOLLINGS COMPOSE TO	ቴ 'ም ፕሬዝዴ ነጻ <i>ነ</i> ጻ ነው ነጻ ነገር ነ				
PARAMETER PARAMETER	PRIMARY		SECONDARY		
ТҮРЕ	Vapor Suppressant			of Different agains are constructed in the construction of the con	
TYPE CODE (FROM APP. A)	99				
MANUFACTURER	Styrid				
MODEL NUMBER	Not Applicable				
PRESSURE DROP (IN. OF WATER)	[NA				
WET SCRUBBER FLOW (GPM)	NA				
BAGHOUSE AIR/CLOTH RATIO (FPM)	NA				
VENTILATION AND BUILI	DING/AREA DATA	STACK DATA			
ENCLOSED (Y/N)?	N	GROUND ELEVATION (FT)		NA	
HOOD TYPE (FROM APP. B)	NA	UTM X COORDINATE (KM)		NA	
MINIMUM FLOW (ACFM)	[NA]	UTM Y COORDINATE (KM)		[NA	
PERCENT CAPIURE EFFICIENCY	NA.	STACK TYPE (SEE NOTE BELOW)		NA	
BUILDING HEIGHT (FT)	24	STACK EXIT HEIGHT FROM GROUP	ND LEVEL (FT)	NV	
BUILDING/AREA LENGTH (FT)	140	STACK EXIT DIAMETER (FT)		NA	
BUILDING/AREA WIDTH (FT)	120	STACK EXIT GAS FLOWRATE (ACF	M)	NA	
		STACK EXIT TEMPERATURE (DEG.	F)	NA	
AIR POLLUTANT EMISSIO	NS				
POLLUTANT CAS NUMBER	EMISSION	PERCENT ESTIMATEI		LLOWABLE EMISSIONS	
	FACTOR (SEE BELOW)	CONTROL MEASURI EFFICIENCY EMISSION (LBS/HR	NS (LBS/HR) (TONS/YR) REFER	ENCE
PM _c	NA	Construction Control of Control o) and (0.000 and 0.000 and
PM-10	NA.				
SOZ	NA		and the state of t		
со	NA				
NOX	NA	The Part Andrews and Andrews a			
VOC	67.2-318.24	2.636		11.548	
LEAD	NA				
Styrene 100-42-5	67.2-318.24	2.636		11.548	
		Augustica and a second and a se			
enche environment de mit personalité administration de maniferant de mit	garayumnuu oo uu dhii in mahaaa aa a				

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

NOTE: Emission Factor in lb Styrene/ton resin. Factor Varies with Percent Styrene in Resin.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY	attivity tittäään kirja yhyydystyösika teology yr on hinki en tilykykyksi ta tilykyksi ta tilykyksi.				
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					
PART A: GENERAL INFORMATION		Настояння по на применення при	ani dani dani dani dani dani dani dani d	обнов на ответствення по под при	adilianum visit oʻriddi.
PROCESS CODE OR DESCRIPTION	MAC2		onne ag venninin verkje and to overtot e enigeland anhabet op 1000 dawy pakawania. I soonen 1777 1774 samuel ooksel oo keering and ooksel ooksel ooksel ooksel ooksel ooksel ooksel ooksel ooksel		
STACK DESCRIPTION	NOT APPLICA	BIE			
BUILDING DESCRIPTION	BLDG1				
MANUFACTURER		MODEL		DATE INSTALLED	
				DATE LAST MODIFIEI	
PROCESSING DATA					
PROCESS STREAM MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
INPUT Fiberglass Filament and Resin	101.431	101.431	lb/hr		
PRODUCT OUTPUT Fiberglass Duct	89.26	89.26	lb/hr		
WASTE OUTPUT. Trim Scrap	12.172	12.172	lb/hr		
RECYCLE					
	North Mary Control				
POTENTIAL HAPS IN PROCE	ESS STREAM(S)				
HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODU STREAM BY WEIGH	CT FRACTION IN WASTE T STREAM BY WEIGHT	FRACTION IN RECYCL. STREAM BY WEIGHT
STYRENE	100-42-5	0.1978	0.0938	0.0128	0
	and the second s				
	Burnelous representatives and the sease of t				

SECTION 3, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB NA		HOURS/DAY 8	
MAR-MAY NA		DAY/WEEK 6	
JUN-AUG NA		WEEKS/YEAR 52	
SEP-NOV NA			
POLLUTION CONTROL	FAIIDMENT	•	
PARAMETER	PRIMARY	SECONDARY	
TYPE	Vapor Suppressant		
TYPE CODE (FROM APP. A)	99		
MANUFACTURER	Styrid		
MODEL NUMBER	Not Applicable		
PRESSURE DROP (IN. OF WATER)	NA		***
WET SCRUBBER FLOW (GPM)	NA .		
BAGHOUSE AIR/CLOTH RATTO (FPM)			
VENTILATION AND BI	JILDING/AREA DATA	STACK DATA	
ENCLOSED (Y/N)?	N	GROUND ELEVATION (FT)	NA
HOOD TYPE (FROM APP. B)	NA	UTM X COORDINATE (KM)	NA
MINIMUM FLOW (ACFM)	NA .	UTM Y COORDINATE (KM)	NA
PERCENT CAPTURE EFFICIENCY	NA.	STACK TYPE (SEE NOTE BELOW)	NA
BUILDING HEIGHT (FT)	24	STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	NA
BUILDING/AREA LENGTH (ET)	140	STACK EXIT DIAMETER (FT)	NA
BUILDING/AREA WIDTH-(FT)	120	STACK EXIT GAS FLOWRATE (ACFM)	NA
		STACK EXIT-TEMPERATURE (DEG. F)	Securios antimateria de la primera de la constantina del const
	ÉGIANG		
POLLUTANT EMI CAS NUMBER	<u>5510115</u> EMISSION	PERCENT ESTIMATED OR	ALLOWABLE EMISSIONS
	FACTOR (SEE BELOW)	CONTROL MEASURED EFFICIENCY EMISSIONS	(LBS/HR) (TONS/YR) REFERENCE
	Contraction of the contraction o	(LBS/HR)	
PM			
PM-10	NA province and the second sec		
SO2	NA.		
СО			
NOX	an contract		
VOC	67.2-318.24	2.636	11,548
LEAD.	was a second and a		
Styrene 100-42-5	67.2-318.24	2.636	11.548
	grammanumumumumum (a) phaloidinin menerakan (a) (a) phaloidi		

OPERATING SCHEDULE

NOTE:

STACK TYPE - 01) DOWNWARD, 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE

EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY-UNITS GIVEN IN FUEL DATA SECTION.

NOTE: Emission Factor in lb Styrene/ton resin. Factor Varies with Percent Styrene in Resin.

SECTION 3: PROCESS AND MANUFACTURING OPERATIONS

DEQ USE ONLY		ent diversion and the enterior of the enterior		in and the state of the state o		t producer samme state to the product of the state of the
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID-CODE		State of the
DEQ BUILDING CODE		PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE						
PART A: GENERAL	INFORMATION	en e		and displayed and an all and an	мененич муниципального почений в поднественного почений в почений	оддестовного состоя в предости на предости
PROCESS CODE OR DESC	CRIPTION	MAC3				
STACK DESCRIPTION	• ,	NOT APPLICAB	ti en			
BUILDING DESCRIPTION	.	BLDG1	n von der den se er en			
MANUFACTURER			MODEL		DATE INSTALLED	
					DATE LAST MODIFIED	
PROCESS	ING DATA					
PROCESS STREAM	MATERIAL DESCRIPTION	MAXIMUM HOURLY RATE	ACTUAL HOURLY RATE	UNITS		
INPUT Fiberglass	Filament and Resin	50,716	50.716	lb/hr		
PRODUCT OUTPUT	Fiberglass Duct	44.630	44.630	lb/hr		
WASTE OUTPUT	Trim Scrap	6.086	6.086	lb/hr		
RECYCLE						
		5. v				
	AL HAPS IN PROCES		area.			
HAP DESCRIPTION		HAP CAS NUMBER	FRACTION IN INPUT STREAM BY WEIGHT	FRACTION IN PRODUC STREAM BY WEIGHT	T ERACTION IN WASTE STREAM BY WEIGHT	FRACTION IN RECYCL STREAM BY WEIGHT
STYRENE	- Angline control of the control of	100-42-5	0.1978	0.0938	0.0128	<u> </u>

SECTION 3, PART B

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE				
DEC-FEB NA		HOUTHOTAN	8			
		HOURS/DAY	annessanten er en			
MAR-MAY NA		DAY/WEEK	6			
JUN-AUG NA		WEEKS/YEAR	. 52			
SEP-NOV NA						
POLLUTION CONTROL E	The state of the s					
PARAMETER TYPE	PRIMARY Vapor Suppressant		SECONDARY		444.0	
	99					
TYPE CODE (FROM APP. A)	Anticological desiration of the second secon		Bernard Australian Control of Con	and the second s		
MANUFACTURER	Styrid	nnterfregaskanne Zeitster finn hande eine underfreihe Zeitste gegen der der der Zeitste gegen der der der Zeitste gegen der				
MODEL NUMBER	Not Applicable	ender franklingsprogrammen franklingsstate standardsstate standard		en ann an ann an an an an an an an an an		
PRESSURE DROP (IN: OF WATER)	NA I		. A material process of the contract of the co			
WET SCRUBBER FLOW (GPM)	NA .					
BAGHOUSE AIR/CLOTH RATIO (FPM)	NA.					
VENTILATION AND BUIL	DING/AREA DATA	STACK DA	<u>ΓΑ</u>			
ENCLOSED (Y/N)?		GROUND ELEVATION (FT)			NA	
HOOD TYPE (FROM APP. B)	NA NA	UTM X COORDINATE (KM))		NA	
MINIMUM FLOW (ACFM)	NA.	UTM Y COORDINATE (KM	Š		NA	
PERCENT CAPTURE EFFICIENCY	NA	STACK TYPE (SEE NOTE B	ELOW)	545	NA]	
BUILDING HEIGHT (FT)	24-	STACK EXIT HEIGHT FROM	M GROUND-LEVEL (FT)	,	NA	
BUILDING/AREA LENGTH (FT)	140	STACK EXIT DIAMETER (F	T)		NA	
BUILDING/AREA WIDTH (FT)	120	STACK EXIT GAS FLOWRA	ATE (ACFM)		NA	
		STACK EXIT TEMPERATU	RE (DEG. F)		. NA	
AIR POLLUTANT EMISS	IONS					
POLLUTANT CAS NUMBER	EMISSION		TIMATED OR	ALLO	WABLE EMISS	IONS
	FACTOR (SEE BELOW)		MEASURED EMISSIONS	(LBS/HR)	(TONS/YR)	REFERENCE
PM.	NA.		(LBS/HR)		Augustinophonic qualitrian consistencia appropriate della	Service of the servic
PM=10	NA.		of the first property of the state of the st			-
SO2	NA	province of the first of the second of the s				
CO	The state of the s				Luminomorphismin	-
	NA NA		ellergungssträngen von der kommen vertreiten bestätte. Ordelungsbereiten von der der kommen vertreiten der			
NOX	Account to the second s		indersian jaggi pininghindhindha pangun pengunan ananan munumpungka. Pengunan pangungkan pangunan p Anan San San San San San San San San San		7 10.00	
VOC	67.2-318.24		1:318		5.774	
LEAD 100 42 6	NA .	Committy of the format and an improvement of the committee of the committe				
Styrene 100-42-5	67.2-318.24		1.318		5:774	
						-
		American constructive executation of the supplication of the suppl	manda espa (ministra de ministra por partir de ministra de distributo de la manda de ministra de ministra de m Partir de partir de ministra de ministr			
						American international and a second
					· L	

NOTE: STACK TYPE = 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (CO D); 04) HORIZONTAL FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

NOTE: Emission Factor in lb Styrene/ton resin. Factor Varies with Percent Styrene in Resin.

SECTION 4: WASTE INCINERATION

NOT APPLICABLE

DEQ USE ONLY							
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ S	STACK ID CODE		
DEQ BUILDING CODE		PRIMARY SCC		SECO	NDARY SCC		
DEQ SEGMENT CODE			nggyang propagang na panggang	oogeverps grindrikkip gegreprochtst to zook in zerskinding beneratiek ki	ikanokus saranda palak Populak saka saka saka Populak saka saka saka saka saka saka saka s		
,						·	* * * * * * * * * * * * * * * * * * *
PART A: GENERAL-I	NFORMATION						•
PROCESS CODE OR DESCRI	PTION						ļ.
STACK DESCRIPTION							
BUILDING DESCRIPTION				and menter state from the production of the contract of the co			
MANUFACTURER		MOBEL		DAT	TE INSTALLED		Address
				DAT	TE LAST MODIFI	ED	
INCINERATOR TYPE			RATED HEATT	NG CAPACITY ((MILLION BTU/H	OUR)	- Reservations
PRIMARY	COMBUSTION CHAM	BER DATA					
WASTE RETENTION TIME (MINUTES)		MINIMUM TEMPERATU	JRE (DEG. F)	COI	MBUSTION AIR I	EED RATE (ACFM)	
BURNER TYPE	geniajnys peliaintos procesa automore en	PERCENT OVERFIRE A	IR	GAI	UGE PRESSURE ((IN. H20)	
		PERCENT UNDERFIRE	AIR T				**
PRIMARY	CHAMBER FUEL DAT		ás Vílla valta 🦥	eron a company of the			
PARAMETER	PRIMARY		SI	ECONDARY	UNIT	rs	
	FUEL	nting.	·	FUEL			
FUEL CODE (SEE NOTE)			-				
PERCENT SULFUR	Be considerate the construction of the constru		· L	motoring in the second			
PERCENT ASH		and the state of t					
PERCENT NITROGEN		-					
PERCENT CARBON			T				
PERCENT HYDROGEN			Ę	and produce a company of the second and the second			
PERCENT MOISTURE							
HEAT CONTENT (BTU/UN	HT)		AND CONTRACTOR OF THE PROPERTY				
MAXIMUM HOURLY COMBUSTION RATE (UT	VITS/HR)		AND PROPERTY OF THE PROPERTY O		State Control of the	representation of the control of the	
NORMAL ANNUAL COMBUSTION RATE (U						ana ekanekan kanakan k	
NOTE: INCINERATOR	TYPES - 01) SINGLE CHAME	BER; 02) MULTIPLE HEAR	TH; 03) ROTARY	KILN; 04) FLUI	IDIZED BED;		
	05) OTHER (SPECIFY)						
BURNER TYPE	01) AXIAL FIRING; 02) RAI	DIAL FIRING, 03) TANGER	VTIAL FIRING;	on the second			
<u>, 11</u>	04) OTHER (SPECIFY)				n 2 1 1000 com 4 5 com		
FUEL CODES - (OI) NATURAL GAS; 02) #1 OI		EL OIL; 04) #5 OR	#6 FUEL OIL; (DS) PROPANE		
	06) OTHER (SPECIFY)						

SECTION-4, PART A NOT APPLICABLE

SECONDARY COMBUSTION CHAMBER DATA

COMBUSTION CHAMBER	**************************************	MINIMUM	Environmental contraction of the second seco	COMBUSTION AIR	genetorintessassassassassassassassassassassassassa
VOLUME (CUBIC FEET)		TEMPERATURE (DEG. F	Name and the second sec	FEED RATE (SCFM)	
GAUGE PRESSURE (INCHES WATER)		BURNER TYPE (1) AXIAL FIRING (2) RABIAL FIRING (3) TANGENTIAL FIRI	NG		
SECONDARY PRIMAR	RV CHAMRER FIIFT.	DATA			
4) - Active Sandy and Company of the Company of the Sandy			SECOND ABV	I INTERE	
PARAMETER.	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS	
FUEL CODE (SEE-NOTE)					
PERCENT SULFUR					
PERCENT ASH			The state of the s		
PERCENT NITROGEN					
PERCENT CARBON					
PERCENT HYDROGEN					
PERCENT MOISTURE		Lampagases mante Attantana service de companya de comp		white and continues are a second or a seco	
HEAT CONTENT (BTUUNIT)	According to the second		namen managan m		
MAXIMUM HOUREY COMBUSTION RATE (UNITS/HR)					
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)	promption of appropriate design and management of the second of the seco	entral to the designation and the first of the second seco			
NOTE: INCINERATOR-TYPES - 01) SIN	GLE CHAMBER; 02) MUL	TIPLE HEARTH; 65, NOT	ARY KILN; 04) FLUIDIZE	D BED;	
05) OTHE	R (SPECIFY)	rentang menjantan terlebekan menjantan terlebekan pengan terlebekan pengan menjantan berata dan berata berata Pengan pengan pengan pengan pengan pengan pengan berata pengan pengan pengan pengan pengan pengan pengan pengan			
BURNER TYPE - 01) AXIAL FIR	RING; 02) RADIAL FIRING;	03) TANGENTIAL FIRING	3,		
04) OTHE	R (SPECIFY)				
FUEL CODES-01) NATURAL C	GAS; 02) #1 OR #2 FUEL OF	L; 03) #4 FUEL OIL; 04) #	5 OR #6 FUEL OIL; 05) PI	ROPANE	
06) OTHE	R (SPECIFY)		and district and contractive and contractive developments and contractive and		
PRIMARY CHAMBEI					
	hadd gan de g				
			nyanatakan penjada pada taun pendada an mangan taun penjada an mangan penjada dan penjada da 1999 yan	elikeran mineratur modernandar kerela melekerandan pengangan pengalangan pengangan pengangan pengangan pengang	on the second state of the second
SECONDARY CHAM	BER MONITORING	AND COMBUSTION	CONTROLS		
			naka Nilagasakaria katalah digitarya da katalah da		
	gaa mejada kilani viila gyysyyymyn ytilijällähilaja, amanysia haitaka tii kilyyyym assandi (100 tii 1977 johjaja kyhdistä tiiliittii		annian daggayang dag dag digital daggayang punahan ad dari 18 kmg minda 18 km 18 kmg Timping ing inin di da 18 km		
		and the second section of the section	ermener i Landscog (et de trata) de Landscomment de restituit au comment (et de trata) in grafic de contres de tratador de tra		
	энский от террия (при при при при при при при при при при				· · · · · · · · · · · · · · · · · · ·

SECTION-4, PART A

NOT APPLICABLE

WASTE CHARACTERIZATION AND COMBUSTION RATE

PARAMETER	PRIMARY FUEL	UNITS	SECONDARY FUEL	UNITS
WASTE DESCRIPTION				
PERCENT SULFUR				
PERCENT ASH				
PERCENT NITROGEN		- .		
PERCENT CARBON				
PERCENT HYDROGEN				
PERCENT MOISTURE				
HEAT CONTENT (BTU/UNIT)				
MAXIMUM HOURLY COMBUSTION RATE (UNITS/HR)				
NORMAL ANNUAL COMBUSTION RATE (UNITS/YR)				
METHOD OF ASH DISPOSAL				
POTENTIAL HAPS IN	WASTES			
HAP DESCRIPTION	HAP CAS NUMBER	FRACTION IN WASTE FEED BY WEIGHT	FRACTION IN BOTTOM ASH BY WEIGHT	FRACTION IN FLY ASH BY WEIGHT

SECTION 4, PART B

NOT APPLICABLE

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE		
DEC-FEB		HOURS/DAY	MAGORIN	
MAR-MAY		DAY/WEEK	MARKATON CONTINUES OF THE PROPERTY OF THE PROP	
JUN-AUG		WEEKS/YEAR	nice and a second	
SEP-NOV SEP-NOV		Relationship and an analysis a	rousenek	
POLLUTION CONTROL EC				
PARAMETER TYPE-	PRIMARY	information and the state of th	SECONDARY	
TYPE CODE (FROM APP: A)		enconquestar proprio confronte material constructiva de la constructiv		angan mananan dan mengangan pangan mananan dan dan dan dan dan dan dan dan d
MANUFACTURER	$\frac{1}{2} (a_1 a_2 a_3 a_4 a_5 a_5 a_5 a_5 a_5 a_5 a_5 a_5 a_5 a_5$	annotani nekananani nekananan kananan	Parameterian produce programment produce produ	Section and the section of the secti
MODEL NUMBER		n op namen kan de green van de gewonde verden de green de gewonde verden de green de green de green de green d Language van de green de gr		direct de acción que acque que acque que presenta de la combinación de acción de acción de acción de acción de Esta que acque, acción de acque que acque que mentre de acción de
PRESSURE DROP (IN. OF WATER)		onassentarios autoriamenta arganizario proprio proprio proprio de la companio del companio de la companio de la companio del companio de la companio del la companio de la companio del la companio de la		essadoro menor estado estado en escular en estado e
WET SCRUBBER FLOW (GPM)			Accompany of the state of the s	
BAGHOUSE AIR/CLOTH RATIO (FPM)	Antercocompanication are served of constitution and an analysis of constitution and an analysi			
	Association contract of the traction of the tr		Remains also no 1900 Million pure contraction control property and pure little and property and pure little an	
VENTILATION AND BUILI	DING/AREA DATA	STACK DATA		genannennannennenningspielelelelelele
ENCLOSED (Y/N)?	integranisas (comitaris de constitución de comitaris de comitario de comitaris de comitaris de comitaris de comitaris de comitario de comitaris de comitaris de comitaris de comitaris de comitario de c	GROUND ELEVATION (FT)		
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)		
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)		
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)		Amplement of the solid color of agreement and contract to account on the solid color of t
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROU	ND LEVEL (FI)	
BUILDING/AREA LENGTH (FT;		STACK EXIT DIAMETER (FT)		
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS FLOWRATE (AC	FM)	
		STACK EXIT TEMPERATURE (DEC	6. F)	
AIR POLLUTANT EMISSION	ONS			
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT ESTIMATE CONTROL MEASUR		OWABLE EMISSIONS
	(SEE BELOW)	EFFICIENCY EMISSIC (LBS/H	ON! (LBS/HR)	(TONS/YR) REFERENCE
PM		The state of the s	materia funcionario de la financia del financia del financia de la	
PM=10	Baskarianane er en som om o			
SO2	And a State Control Control Control Annual A			
CO		Exercise contraction of the cont	Amendmental Amendment of the Control	
NOX			According to the contract of t	
		Environment and included a sequence of the seq		
VOC				
LEAD	Section of the control of the contro		acipinanian international designation of the control of the contro	
	Supplemental and the supplemen			
		Emministration of the state of		
		Reconstruction and an appropriate and appropr	rehetydainings - Analysis and Service Analysis and	

STACK TYPE - 01) DOWNWARD, 02) VERTICAL (UNCOVERED), 03) VERTICAL (COVERED), 04) HORIZONTAL, 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 5: STORAGE AND HANDLING-OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUND

DEQ-USE ONLY	NAMANNA KRISTORIJA I GIJUOTIKUS LITUVIJA OSPI PIR NAMANNA KRISTORIJA I SVINIKA KRISTORIJA KRISTORIJA KRISTORIJA	NGH APPLIC	ABLE				
DEQ PLANT ID CODE		DEQ PROCESS CODE		DES	Q STACK ID CODE		, # ·
DEQ BUILDING CODE		PRIMARY SCC		SEC	CONDARY SCC		
DEQ SEGMENT CODE							
PART A: GENERAL I	NFORMATION	entrelición francisco que les reconocios de delimito e entre del maio, ejecución per de entrelición de entrelic			от от в достигности под в нед под под достигност до под под под под под под под под под	н Монт об оборого на него и посто посто посто посто оборого оборого на него оборого на него оборого оборого обо С	una makain kan makain kan makain kan makain kan kan kan kan kan kan kan kan kan ka
PROCESS CODE OR DESCR	IPTION			indial physiciae data (note and national areas resemble and a			
STACK DESCRIPTION							
BUILDING DESCRIPTION					maliperenenia promota a parte menyambanja urba satubahan jahar matasa satuperen kaji Andresia di satubahan jahar satura di satubahan jahar satubahan jahar satubahan jahar satubahan jahar satubah		
DATE INSTALLED		DATE LAST MODIFIED					
GENERAL T	ANK AND MATERL	AL HANDLING DAT	A				
MATERIAL DESCRIPTION			agentina.				
TANK CAPACITY (GALLON	IS)	ANNUAL THROUGHPU	T (GALLONS)				
TANK TYPE PLEASE CHOOSE FROM BE (04) FIXED ROOF (02) FLOATING ROOF (OR (03) VARIABLE VAPOR-SI (04) PRESSURE TANK (05) UNDERGROUND - SP (06) OTHER ADDITIONA MANUFACTURER OF DEGRE	R INTERNAL COVER) PACE LASH LOADING AL VAPOR PHASE D REASING AGENT		SOURCE PLEASE CHOOS (01) PIPELINE (02) RAIL CAR (03) TANK TRI (04) SHIP BAR (05) OTHER	OCK GE T	ANK SURFACE ARI METHOD OF VAPOF lease choose from bel (01) Incineration (02) Refrigerated Lic (03) Refrigerated Co	RECOVERY ow. puid Scrubber indenser	
					(04) Carbon Adsorpt (05) Vapor Return S (06) No Recovery S (07) Other	ystem	
ADDITION	AL MATERIAL HAN						
PHYSICAL STATE NUMBER OF OPEN-ENDED LINES		NUMBER OF PUMP SEALS. NUMBER OF SAMPLIF CONNECTIONS	NG	NUMBER OF VALVES	IN-LINE 	NUMBER OF RELIEF VAL NUMBER OF CONNECTION	VES SAMPLING
MATERIAL HAP DESCRIPTION	<u>LUAIA</u>			HAP CAS		HAP FRACTI	ON
				NUMBER		IN MATERL BY WEIGH	AL
f				[***************************************	-

SECTION 5, PART B

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDULE				
FERCENT FOED CONSOLETION FOR SOLUTION		ormanizatio compoun	and the second s			
DEC-FEB		HOURS/DAY	ecconnection of contract products of the contr			
MAR-MAY		DAY/WEEK				
JUN-AUG		WEEKS/YEAR				
SEP-NOV						
POLLUTION CONTROL EQU	LEMENT					
PARAMETER	PRIMARY	Andrean monocontrata con proprior activa con management of the contrata con	SECONDARY	Market and the second s	winds to the second	
TYPE			Supplied of the control of the contr			
TYPE CODE (FROM APP. A)		in the standard contribution of the standard		o ja		
MANUFACTURER		mili depending ana dan jerangkang kanding at tauta manawaran perpending at tauta manawaran perpending at tauta Manakan jerang ang ang ang ang ang ang ang ang ang				
MODEL NUMBER	Summan de management de manage					
PRESSURE DROP (IN. OF WATER)			Mahajan paggapan nangan paggapat na tawa na na paggapat na dalah na na paggapat na			
WET SCRUBBER FLOW (GPM)	And the later of t					
BAGHOUSE AIR/CLOTH RATIO (FPM)			epiteliikin nelaliikili kari ja nela mananan atau manan ja ne			
VENTILATION AND BUILD	ING/AREA DATA	STACK DAT	· A			
ENCLOSED (Y/N)?		GROUND ELEVATION (ET)			
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM	() ()			
MINIMUM FLOW (ACFM)	The state of the s	UTM Y COORDINATE (KM	()			
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE	BELOW)	[
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FR	OM GROUND LEVEL (F	P) [
BUILDING/AREA LENGTH (FT)	Security of the Security of th	STACK EXIT DIAMETER	(FT)		-	
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS FLOWE	RATE (ACFM)	[-	
		STACK EXIT TEMPERATU	JRE (DEG. F)			
	ale Toron					
AIR POLLUTANT EMISSIC POLLUTANT CAS NUMBER	MS EMISSION	PERCENT ES	STIMATED OR	ALLO	VABLE EMISS	IONS
	FACTOR (SEE BELOW)		MEASURED EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM			er versiglichen eine Gestelle eine versigliche eine versigliche gestellt eine versigliche eine Versignische eine Versignische eine Versignische eine Versignische eine Versignische eine Versigni			
PM-10			usal princerecens users any scan user anni anti indicatori di indicatori			
SO2						
co			asugan inggan mada da da gang mada da inggan gang da g			
NOX	proprocessor and an incident and considerate incident and an i	gen and a second a			CONTRACTOR OF THE PROPERTY OF	Annie managament de la companya de l
voc						
LEAD	Non-companied manufacture and applying an experience of the second section of the sec		Annian proportion of the complete of the compl			. [
	A section any contract contract contracts and printing and of the first and the first and of the first and the fir					
					. promptores and the second	
					Annoniorate anno estato que transferencia de la granda de la companya del la companya de la comp	
						-

NOTE: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 6: LOADING RACKS

NOT APPLICABLE

DEQ USE ONLY						
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE			
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC			
DEQ SEGMENT CODE	- CONSISSION - CON	elder Nazurrandaren folkonzelakin jahririlli azusuran kontalina zenenakokokok aparen serek	en var stad stad for de la stad stad stad stad stad stad stad sta		estangus (estando) (estand	en felik karangan karangan kan karangan karangan karangan karangan karangan karangan karangan karangan karanga
PART A: LOADING RACK DATA						
PROCESS CODE OR DESCRIPTION			$def_{i_1,i_2,i_3,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,i_2,\ldots,i_{r-1},i_1,\ldots,i_{r-1},i_1,\ldots,i_{r-1},i_1,\ldots,i_{r-1},\ldots,i$			
STACK DESCRIPTION		general de la companya de primera companya den ramana proprieda de la companya de de la companya de la company De la companya de la Dela companya de la	r Metasus anno no minimus ne prominente il muori mentre il protesso di materiale della punta meta dell'este de Metasus anno no metasus di montre il montre i	entigen was geglegen voorsier aan de voor oop Odorste van de Arthen voorsier de voorsier de gegen in de gebeur Ontde voorsier de geglegen voorsier voorsier van de voorsier de voorsier de voorsier de voorsier de gegeen voorsier voorsier van de voorsier de voorsier van de		
BUILDING DESCRIPTION		en principal de comunicació de conservació en desta la grada en conservació de conservació de conservació de Conservació de comunicació de conservació de c	er alle server de la fille de particular de la fille de la constante de la fille de la constante de la fille d La constante de la fille de la constante de la fille de la constante de la fille de la constante de la fille d			
DATE INSTALLED	grammamanipeliking systeman mahalagasyonan Manazyonan menintikasyonalakan minintikasyonan kanazan pelek	DATE MA	ODIFIED			
TYPE OF LOADING Please choose from the following: (01) Overhead loading - splash fill, normal ser (92) Overhead loading - splash fill, balanced se (03) Overhead loading - submerged fill, normal (04) Overhead loading - submerged fill, balance (05) Bottom loading - normal service; (06) Bottom loading - balanced service	erviced; l service;	Please c (04) h (02) C (03) S (04) C (05) N	ARM VAPOR CLOSURE hoose from the followin neineration REENWOOD OCO CHICKSAN Jone - open to air Other			
MATERIAL LOADED ANNUAL THROUGHPUF (GAL.) REID VAPOR PRESSURE (PSI) MAXIMUM MATERIAL TEMPERATURE (DEG. F)						
AVERAGE MATERIAL TEMPERATURE (DEG. F)						

SECTION 6, PART B NOT APPLICABLE

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHED	ULE			
DEC-FEB		HOURS/DAY	and the State of t			
MAR-MAY		DAY/WEEK				
JUN-AUG		WEEKS/YEAR				
SEP-NOV		AA THURSTON T STARY	manian raspanan manipos proposações			
SEL-MO.4						
POLLUTION CONTROL E	SAME CONTRACTOR CONTRACTOR					
PARAMETER TYPE	PRIMARY	minimalities produces and accommon production of the state of	SECONDAR	Y		
TYPE CODE (FROM APP. A)	The promotive control of the control	interior and the management of the service or annient productive and the service productive.	Anna anna martini in prima prima Anna mandri di successivo di su		percental principal and percentage of the second	
MANUFACTURER			de access de training de photosocial anti-se de al-anti-se appearant de participation de actività de la companie de accessivation acquipation de accessivation acquipation de accessivation acquipation de accessivation accessivation acquipation accessivation accessivati			
MODEL NUMBER	Marie proprieta program de comercio de serva de contra de segui, de montre previotam por escretario por producio de apos de seguido de comercio de seguido	operior in fell film account of an artifact, agreement on a management on any operior gas as yet of a country of an artifact, and a country of a substantial film of a country				
PRESSURE DROP (IN. OF WATER)	Australieren europe geser rester de preus de récher les des la précise de la service de la service de la company de la rester de la service de la company de	the state of the s		1		
WET SCRUBBER FLOW (GPM)	Base the part of the following the first part of the following and the following the f		Santa in individual qual anticologica in managan anticologica de la companio de la companio de la companio del Grandi al companio de la companio de la companio de la companio de la companio del companio del companio del co	1		
BAGHOUSE AIR/CLOTH RATIO (FPM)	Compared to the American Compared to the Compared Compare			1		
VENTILATION AND BUIL	DINC/ADFA DATA	AT2	CK DATA			
ENCLOSED (Y/N)?		GROUND ELEVATI				
HOOD TYPE (FROM APP. B)		UTM X COORDINA				
MINIMUM FLOW (ACFM)	Baragain - An Air ann a Bhuire an Caidh ann an Air ann an	UTM Y COORDINA			Assembly of the second	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE	en elektristen (f.)			
BUILDING HEIGHT (FT)	and the state of t		HT FROM GROUND LEVEL (FI) ;		
BUILDING/AREA LENGTH (FT)		STACK EXIT DIAM	ETER (FT)			
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS I	FLOWRATE (ACFM)			
		STACK EXIT TEMP	PERATURE (DEG. F)			
AIR POLLUTANT EMISSI	<u>ons</u>					
POLLUTANT CAS NUMBER	EMISSION- FACTOR (SEE BELOW)	PERCENT CONTROL EFFICIENCY	ESTAMATED OR MEASURED EMISSIONS (LBS/HR)	ALLO (LBS/HR)	OWABLE EMISS (TONS/YR)	SIONS REFERENCE
PM.						
PM-10						
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NOX						
voc						
LEAD						
			get and response contract of the contract of t			
The second secon				Anna Anna Anna Anna Anna Anna Anna Anna	1	1 [

STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL; (#ERED); 04) BORIZONTAL; 05) FUGITIVE EMISSION FACTOR IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 7: SOLID MATERIAL TRANSPORT, HANDLING, AND STORAGE

DEQUSE ONLY		g and constructed the construction of the ^{const} iguous progress of a construction data distribution of the ^{const} iguous progress of the construction of the construc	NOFAPPLICABLE			
DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING CODE		PRIMARY SEC		SECONDARY SCC		
DEQ SEGMENT CODE				reskriving og sens skriven skriven i kler skriven skriven skriven og skriven og skriven og skriven og skriven		
PART A: GENERA	AL INFORMATION					
PROCESS CODE OR DE						
STACK DESCRIPTION	No. of the second					
BUILDING DESCRIPTION	ON					
DATE INSTALLED OR	LAST MODIFIED		DATE LAST MODIFIED			
MATERIAL DESCRIPT	ION					
MATER	IAE TRANSFER R	YTES				
MAXIMUM HOURLY T	RANSFER RATE (UNIT	S/HOUR)				
NORMAL HOURLY TR	lansfer rate (Units	/HOUR)				
NORMAL ANNUAL TE	ANSFER RATE (UNITS	/YEAR)				
UNIT OF MEASURE						
BELT C	ONVEYOR/VEHIC	LE TRANSFER				
NUMBER OF TRANSF	ERS	MATERIAL MOISTUR CONTENT (WEIGHT)		MAXIMUM HOURI WIND SPEED (MPF	Control of the Contro	
CONVEYORS ENCLOS	SED2(Y/N)		CONVEYORS IN BUILI	DINGS? (Y/N)	AVERAGE HOURLY	
TRANSFERS ENCLOS	ED7(Y/N)	Nonversional state of the state	TRANSFERS IN BUILD	INGS? (Y/N)	WIND-SPEED (MPH)	
PNEUM	IATIC CONVEYOR	TRANSFERS				
MATERIAL MOISTUR	E CONTENT (WEIGHT	PERCENT				
PRIMARY SEPARATO	DR TYPE		PRIMARY SEPARATO	R PERCENT EFFICIEN	CY CY	
SECONDARY SEPARA	ATOR TYPE		SECONDARY SEPARA	TOR PERCENT EFFIC	ENCY	
MATE	RIAL STORAGE DA	TA				
PILE? (Y/N)		S.	TORAGE CAPACITY		PILE LENGTH (FF.)	
SILO? (Y/N)		printereness)	TORAGE CAPACITY UNITS		PILE WIDTH (FT.)	
OTHER STORAGE TY					PILE HEIGHT (FT.)	
MATE	RIAL DATA					
HAP DESCRIPTION	en e		HAPTAS NUMBER		HAP FRACTION IN MATERIAL BY WEIGHT	
		·				
		namenonomonomonomonomonomonomonomonomonomo				
		and the second s				
		moreon market and a second and a				

SECTION 7, PART B

NOT APPLICABLE

OPERATING DATA PERCENT FUEL CONSUMPTION PER QUARTER		OPERATING SCHEDU	LE .			
DEC-FEB		HOURS/DAY	and the state of t			
MAR-MAY		DAY/WEEK	entrology-popular professional medicino popular professional professio			
JUN-AUG		WEEKS/YEAR				
SEP-NOV		Walier Liver	Any-construction of the construction of			
Accordance to the contract of						
POLLUTION CONTROL F	Secretarian Mark Section Section 1		arcon in a par			
PARAMETER TYPE	PRIMARY		SECONDARY			
TYPE CODE (FROM APP. A)		ning palamininah da mangi pengangan menanajak da			ngaraga karanga parangan pangan pangan pangal	
MANUFACTURER		erronomentari in departmentali departmenta de la composito de	Produceran contractive contrac			
MODEL NUMBER		ritti ga valastan kaliti ka sepungan pengangan kanasan kaliti kanasan gang dalam Mangan kaliti kanasan kanasan kanasan kanasan kanasan kaliti kanasan kanasan kanasan kanasan kanasan kanasan k Antara kanasan				
PRESSURE DROP (IN. OF WATER)	-reli-sean menomes a purpos com los que procidin los de la sinición de seano como confrance, proceden nota, perinamiento inspecio condicional que considera y	transcription representation of the second s	Securitaria a contra co		opposite and a supplication of the supplicatio	
WET SCRUBBER FLOW (OPM)			Executary (considerations on the security of t			
BAGHOUSE AIR/CLOTH EATIO (FPM)			Management and description of the second			
	Remarkation (Secure Control of Co		International Control of the Control			
VENTILATION AND BUIL	DING/AREA DATA	STAC	K DATA		and the second s	
ENCLOSED (Y/N)?	manganista organist och kalannan mennet för kanstalligen socialist och kanstalla. Minnester och mennet kanstalla konstruktion socialist och konstruktion.	GROUND ELEVATIO	N (FT)			
HOOD TYPE (FROM APP. B)	en anatonien en en antonien a	UTM X COORDINAT	E (KM)			
MINIMUM FLOW (ACFM)		UTM Y COORDINAT	E (KM)			
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE N	OTE BELOW)			
BUILDING HEIGHT (FT)	Bacaca in minima magazi di antono di manana pengana pengana pengana a pina penjaka pengana manana manana manana pengana pengana pengana pengana pengana pengana pengana pengana pengan	STACK EXIT HEIGH	T FROM GROUND LEVEL (FT)		-	
BUILDING/AREA LENGTH (FT)		STACK EXIT DIAME	TER (FT)			
BUILDING/AREA WIDTH (FT)		STACK EXIT GAS FL	OWRATE (ACFM)			
		STACK EXIT TEMPE	RATURE (DEG. F)			
AIR POLLUTANT EMISS	ions					
POLLUTANT CAS NUMBER	EMISSION FACTOR	PERCENT CONTROL	ESTIMATED OR MEASURED	ALLC	WABLE EMISS	IONS
	(SEE BELOW)	EFFICIENCY	EMISSIONS (LBS/HR)	(LBS/HR)	(TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
co		Santamananay with the contribution of the state of the st	Recommendation of the Transaction of the Confidence of the Confide			
NOX			And control of control			
VOC		Security of the security of th	Businestration and account for facility and accommendation of the comment of the	Participation of the second of		
LEAD		Process and Annie An Annie Annie Ann	Security and security control of the security		And a superior of the superior	Commission of the contract of
	Anglannia, manasan para panganan manasan manasan manasan pangan panasan pangan	de en en entre en partie en			Butterfulgerent transcriptor	**************************************
	Banking was managan pangangan dan dan dan dan dan dan dan dan dan d		Burgalayere in quantification with the many grant of the the happy and provided in the grant of the second of the		Province Commence Commence Commence	
		Recognificação por a constituição de la constituiçã				

SECTION 8: FUGITIVE ROAD DUST SOURCES - NEGLIGIBLE

DEQ USE ONLY					
DEQ PLANT ID CODE	DEQ PROCESS CODE		DEQ STACK ID CODE		
DEQ BUILDING CODE	PRIMARY SCC		SECONDARY SCC		
DEQ SEGMENT CODE					
PART A: GENERAL INFORMATION	ng Delek di Alaksan da karak sarek da kapinan da da saka da	A STATE OF THE STA	ng Majayakan pada Argang ang Argang Arga Tanggan Argang Arga	iki muurunda ka tiinka aanna vasaakista kuntaka ka tiinka muuka ka tiikii ka k	
ROAD DESCRIPTION		PAVED? (Y/N)	and the state of t		
LENGTH (FT.)	I		COORDINATES	END COO	RDINATES
WIDTH (FT.)		UTM-X (KM)	UTM-Y (KM)	UTM-X (KM)	UTM-Y (KM)
DATA-FOR ALL ROADS - P.	AVED AND UNPAVEI	<u>)</u>			
VEHICLE DESCRIPTION	NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SPEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)
				DATA: UNPAVE	D ROADS
VEHICLE DESCRIPTION	VEHICLE EMPTY WEIGHT	VEHICLE FULL WEIGHT			NUMBER OF DAYS
	(TONS)	TONS		invocationique reconstructure de la construction de	PRECIPITATION
				Anning and Company of the Company of	дрейтический даму де достоя высок на под брой от высок на подолжного под выполня в под выполня в под выполня в
			. **		
DATA: PAVED ROADS					
NUMBER OF INDUSTRIAL LANES AUGMENTATION FACTOR	DUST LOADING (LB/MILE)				
ROAD DUST CHEMICAL I	DATA				
HAP DESCRIPTION		HAP CAS		HAP FRACTION	
	······································	NUMBER	1	IN ROAD DUST BY WEIGHT	
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SECTION 8, PART B

NEGLIGIBLE

OPERATING DATA- PERCENT PUEL CONSUMPTION PER QUARTER		OPERATING SCHEDUL	F.		
			Investigate de la company de l		
DEC-FEB		HOURS/DAY-	Benjamianian jarapakidan Austrika pilangilan da genaran melangua pamayan pengalangilan dalamban		
MAR-MAY		DAY/WEEK			
JUN-AUG		WEEKS/YEAR	in and an equivaligation and algorithm and an analysis and an analysis and an analysis and an analysis and an an analysis and		
SEP-NOV					
FUGITIVE DUST CONTROL PARAMETER CONTROL DESCRIPTION CONTROL CODE (APPENDEX A) MINIMUM DAILY APPLICATIONS OF CONTROL MAXIMUM DAILY APPLICATIONS OF CONTROL AVERAGE ANNUAL APPLICATIONS OF CONTROL AMOUNT APPLIED (UNITS/APPLICATION) UNITS FOR APPLICATION AMOUNT	PRIMARY		SECONDARY		
PM PM-10 LEAD	EMISSION FACTOR (SEE BELOW)	¿ERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LB8/HR)	ALLOWABLE EMIS: (LBS/HR) (TONS/YR)	SIONS REFERENCE

NOTES: IN LBS/UNIT, USE UNITS OF VEHICLE MILES TRAVELED (VMT)

EXHAUST GAS FLOW DATA

CLIENT: Spunstrand
SOURCE: Trim Cyclone

3

4

5

6

SAMPLE POINTS: 6

0.44

0.48

0.34

0.38

68

68

68

68

DATE: <u>6/6/03</u>

RUN #: 10f1

POINT	PITOT ΔP	STACK T _s	ΔP^0.5	GENERAL FIELD DATA
1	0.41	68	0.640	Control of the second of the s
2	0.35	68	0.589	Pitot Coefficient

0.660

0.693

0.581

0.616

Pitot Coefficient $\mathbb{C}_{\mathfrak{p}}$ 0.84 Barometric Pressure (inches Hg) 27.2 P_{be} P_{static} Static Pressure (inches H₂O) 0.1 D_{stack} Stack Diameter (inches) 8.00 or Rectangular Stack Dimensions (inches) D_{LxW} X Dry Molecular Weight (lb/lb mole) 29 M_d

MOISTURE DATA

Wet Bulb Temp.: 50 Dry Bulb Temp.:

Moisture Content, Bwo: 0.0068

CALCULATED RESULTS:

Average ΔP	ΔP	0.3981	
Average of ΔP sq. roots	$(\sqrt{\Delta P})$ ave	0.6298	
Average Stack Temp	T.	68.000	°F
Area of Stack	A_s	0.3491	ft. ²
Velocity of Stack Gas	\mathbb{V}_{s}	37.04	ft./sec.
Actual Flow of Stack Gas	Q_a	775.8	acfm
Standard Flow of Stack Gas	Q _s	700.4	dscf/m

Absolute Stack Gas Pressure:

$$Ps = Pb + (Pstatic / 13.6) = 27.20 + (0.10 / 13.6) = 27.21$$

Molecular Weight of Stack Gas:

$$Ms = Md(1-Bwo) + 18(Bwo) = 29.00(1-0.0068) + 18(0.0068) = 28.92$$

Velocity of Stack Gas:

$$V_{s} = (Kp)(CP) \sqrt{\frac{T_{s} + 460}{(Ms)(Ps)}} (\sqrt{\Delta P}) \text{ ave } = (85.49)(0.84) \sqrt{\frac{68.00 + 460}{(28.92)(27.21)}} = \frac{37.04}{(28.92)(27.21)}$$

Actual Flow of Stack Gas:

$$Qa = (60)(As)(Vs) = (60)(0.3491)(37.04) = 775.82$$

Standard Stack Gas Flow:

$$Qs = (Qa)(Ps)(17.64)(1 - Bwo) = (775.82)(27.21)(17.64)(1 - 0.0068) = 700.39$$

$$Ts + 460 = 68.00 + 460$$

Appendix o

Air Dispersion Model

Air Dispersion Modeling Report

Spunstrand Incorporated

1. Introduction

This air modeling analysis was performed to demonstrate compliance with an application for a Tier I operating permit.

2. Modeling Requirements and Methodology

2.1 Area Classification

Spunstrand Incorporated is located at Wallace, Idaho, in Shoshone County. This area is designated as an attainment or unclassifiable area.

2.2 Applicable Impact Limits and Required Analysis for Criteria Pollutants

A significant impact analysis for criteria air pollutants is first performed to determine if the maximum impact to the ambient air exceeds the significant contribution levels of IDAPA 58.01.01.006.93. When the significant contribution level for a pollutant is exceeded, a full impact analysis of the National Ambient Air Quality Standards (NAAQS) is required for that pollutant. The NAAQS analysis requires adding background concentrations to the modeled ambient concentrations to determine if a violation of the NAAQS occurs. Table 1 shows the averaging periods and regulatory limits modeling values used to determine the significant contribution levels and the NAAQS impact analysis for criteria air pollutants.

Table 1. Applicable Regulatory Limits

		Significan	t Contribution Analysis	Full Imp	pact NAAQS Analysis
	Averaging	Limit		Limit	그리의 집 한 경기를 받았다.
Pollutant	Period	(µg/m²)	Model Value Used	(µg/m³)	Model Value Used
PM-10	24-hour	5	Maximum 1 st highest	150	Maximum 6 th highest
FW-10	Annual	1	Maximum 1 st highest	50	Maximum 1 st highest
co	1-hour	500	Maximum 1 st highest	40,000	Maximum 2 nd highest
CO	8-hour	2,000	Maximum 1 st highest	10,000	Maximum 2 nd highest
and the state of the	3-hour	25	Maximum 1 st highest	1,300	Maximum 2 nd highest
SO2	24-hour	5	Maximum 1 st highest	365	Maximum 2 nd highest
	Annual	1	Maximum 1 st highest	- 80	Maximum 1 st highest
NO2	Annual	1	Maximum 1 st highest	100	Maximum 1 st highest
Lead (Pb)	Quarterly	NA	Maximum 1 st highest	1.5	Maximum 1 st highest

2.3 Toxic Air Pollutants Impact Analysis

An ambient air assessment for a Toxic Air Pollutant (TAP) is required when the emission screening level (EL) is exceeded. Styrene emissions from the facility were estimated to be 6.59 lb/hr, below the emission screening level of 6.67 lb/hr.

2.4 Modeling Parameters and Methods

Table 2 summarizes the parameters used in the air dispersion modeling analysis.

Table 2. Modeling Parameters

Parameter	Description/Values-	Documentation/Additional Description
Model	ISCST3-Prime	Version 99020
Meteorological Data	Spokane, Washington - Surface and Upper Air	1987 - 1991 Rotated -90
Model Options	Regulatory Defait	
Land Use	Rural	Based on Population Density and Land Use
Terrain	Elevated Terrain Simple and Complex	Receptor Elevations Calculated From Didgetized Terrain Data.
Building Downwash	Used Building Profile Imput Program (BPIP-Prime)	Bldg 1 - Main Production Plant 120 ft × 110 ft × 24 ft high Bldg 2 - Cut/Chop 90 ft × 25 ft × 14 ft high Bldg 3 - Warehouse/Resin Room 78 ft × 57 ft × 24 ft high Bldg 4 - SM8 100 ft × 60 ft × 30 ft high Bldg 4 - Office 35 ft × 17 ft × 14 ft high
Receptor Grids	Grid 1 - 20 Meter Spacing	Fence Line
(See Figure 1)	Grid 2 - 25 Meter Spacing	Out to 175 meters
	Grid 3 - 100 Meter Spacing	Out to 450 meters
Facility Location UTM Zone 11, 1927 NAD	Easting Northing	580.262 kilometers 5,258.941 kilometers

2.4.1 Model Description and Justification

BEEST for Windows BEE-Line Software was used to run the Industrial Source Complex ISCST3-Prime Version 99020 air dispersion modeling analysis.

2.4.2 Meteorological Data

Surface and upper air meteorological data from the Spokane, Washington Station #2415 were used in the modeling analysis. The data was collected from 1987 through 1991. The meteorological data was rotated 90 degrees to align it with the narrow northwest-southeast trending valley in which the facility is located.

2.4.3 Model Options

Regulatory default options were used in the modeling analysis.

2.4.4 Land Use

Rural land use was used based on a land classification type and population density. Over-50 percent of the surrounding area within a three-kilometer radius is classified as A4 and population density is less than 750 people per square mile.

2.4.5 Terrain

Elevated terrain was considered in the modeling analysis using digitized terrain data to calculate receptor elevations.

2.4.6 Building Downwash Effects

The Building Profile Input Program (BPIP-Prime) for ISCST3-Prime was used to determine downwash effect from structures located at the facility.

2.4.7 Receptor Grid

20-meter spaced receptors were located along the fence line. Rectangular grids spaced at 25 meters and 50 meters were located out to 175 meters and 450 meters respectively from thee fence line.

2.4.8 Emission Rate

Particulate emissions are generated from cutting and trimming the product. The emissions are vented to a small cyclone.

Table 3. Criteria Pollutant Emission Rates Used for Modeling Analysis

The office of the control of the con		PM-10	CO	SO2	NO2
Source (ID Code)	-	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
Dust Collection Cyclone (DCCYC)		0.6	Notice in	60 HOUS	- Turning

2.4.9 Emissions Release Parameters

Table 4 shows the release parameters for the modeled sources

Table 4. Emission Source and Stack Parameters

The control of the co		Stack	Stack	Stack Gas	Stack Gas
	Source	Height	Diameter	Temp.	Flow
Source (ID Code)	Туре	(ft)	(ft)	(°F)	(acfm)
Dust Collection Cyclone (DCCYC)	Point	22	0.667	68	776*

^{*} Stack Has a Rain Cap. A Flow Velocity of 0.001 meters/sec. Was Used in Model Analysis.

3. Modeling Results

3.1 Criteria Air Pollutant Analysis

Results of the significant impact analysis for criteria air pollutants are shown in Table 5. The potential ambient impact for PM-10 exceeded the significant contribution levels.

Table 5. Significant Impact Analysis for Criteria Air Pollutants

Pollutant	Averaging Period	Ambient Impaçt (µg/m²)	Significant Contribution (µg/m³)	Full impact Analysis Required?
PM-10	24-hour	106,54626	5.0	YES
I W- to	Annual	14.94815	1.0	YES

Table 6 shows the results of the facility-wide full impact analysis for PM₁₀ and the background concentration values added to the modeled ambient impacts.

Table 6. Full Impact Analysis for Criteria Pollutants (Facility-wide Emissions)

		Ambient	Background	Total Ambient	Regulatory	
Pollutant	Averaging Period	Impact (µg/m²)	Conc. (µg/m²)	Conc (µg/m²)	Limit (µg/m²)	Percent of NAAQS
PM-10	24-hour	71.4808	66	137.481	150	91.7
FIVI-10	Annual	14.94815	19	33.948	50	67.9

Figure 4 shows the modeled 6th highest 24-hour averaged PM₁₀ concentration impacts.

4. Conclusion

The air dispersion modeling results are below the applicable NAAQS standards. Although the full impact analysis for PM₁₀ is over 90% of the NAAQS, the area of impact is very small.

A summary table showing the PM₁₀ air dispersion modeling results for each year of meteorological data is included. A disk containing the .bst, .pip, .usf and .dta files is attached.

Prime 90.USF

*** ISC3P - VERSION 99020 ***

*** Spunstrand

*** Model Executed on 07/31/03 at 15:43:07 ***

BEE-Line ISCSP "BEEST" Version 8.00

Input File - C:\Clients\Spunstrand\DEQ Mdl Files\Prim
Output File - C:\Clients\Spunstrand\DEQ Mdl Files\Prim
Met File - C:\Clients\Met Data\SPORE90.MET

Number of sources -Number of source groups -

*** POINT SOURCE DATA ***

Source Par ID CAT		c) x	Y (METERS)	Base Elev. (Meters)	STACK HEIGHT (METERS)		STACK EXIT VEL. (M/SEC)		EXISTS	EMISSION R SCALAR VA BY	y
DCCYC 0	0.75600E-0	1 580288.7	5258928.0	823.0	6.71	293.15		0.20	YES	195 WH 494 WW KE SP	ps. 190v 8ns.

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID

SOURCE IDs

DCCYC-DCCYC

*** THE SUMMARY OF MAXIMUM ANNUAL (8760 HRS) RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3

GROUP I	D ·			. 1	veragi	CONC				INE-wit	PTOR	(XR,	YR,	ZELEV,	zflag)	OF	TYPE		WORK D-ID	
agency before object comb-	177 160	see was virin error as	a se e	e jee je	e an sh	t not som for			oth nex when ago.		1000 Miles 420.		er enire Lucio	any ways since being		-	m	*** **** qu	a die can con con ton	cor eși
DCCYC	1ST	HIGHEST	VALUE	IS	1.	1.94815	AT (580270.0	00,	525890	5.50	, m	822.96,		0.00)	DC		NA	
	2ND	HIGHEST	VALUE	IS	- 1	3.71273	AT (580256.	69,	525891	8.50	٤.	822.96,		0.00)	DC	N2	NA	
	3RD	HIGHEST	VALUE	IS	1	1.97154	AT (580321.6	53,	525894	8.50	,	822.66,		0.00).	DC	,	NA	
	4TH	HIGHEST	VALUE	IS	1.	L.54071	AT (1	580275.0	00,	525890	0.00		822.96,	, e - 2	0.00)	DC	Togics.	NA	
	5TH	HIGHEST	VALUE	IS	£.	1.36719	AT (580325.0	00,	525895	0.00	,	822.96,	,	000)	ĎC		NA	
	6TH	HIGHEST	VALUE	IS	1.	787-90	AT (50337.3	31,	525893	7.00	,	823.57,	•	0.00)	DC	214	NA	

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3

DATE GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID HIGH 1ST HIGH VALUE IS 92.1504% ON 90110524: AT (580270.00, 5258905.50, HIGH 6TH HIGH VALUE IS 56.52797 ON 90101024: AT (580270.00, 5258905.50, 822.96, 0.00) DC 822.96, 0.00) DC DCCYC NA NA

Prime 87.USF

*** ISC3P - VERSION 99020 ***

*** Spunstrand

*** Model Executed on 07/31/03-at 15:40:09 ***

BEE-Line ISC3P "BEEST" Version 8.00

Input File - C:\Clients\Spunstrand\DEQ Mtl Files\Prim
Output File - C:\Clients\Spunstrand\DEQ Mdl Files\Prim

Met File - C:\Clients\Met Data\Spoke87.met

Number of sources -Number of source groups - 1

Number of receptors -

903

*** POINT SOURCE DATA ***

NUMBER EMISSION RATE STACK BUILDING EMISSION RATE BASE STACK STACK STACK SOURCE PART. (GRAMS/SEC) х. EXIT VEL. DIAMETER EXISTS SCALAR VARY Y F.T.F.32 HEIGHT TEMP. (METERS) (METERS) (METERS) (DEG.K) (M/SEC) (METERS) ID CATS. BY 0 0.75600E-01 580288.7 5258928.0 823.0 6.71 293.15 DCCYC 0.00 0.20 YES

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID

SOURCE IDS

DCCYC DCCYC

*** THE SUMMARY OF MAXIMIM ANNUAL (8760 HRS) RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3

NETWORK AVERAGE CONC GROUP-ID RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID 1ST HIGHEST VALUE IS 13.51546 AT. (580270.00, 5258905.50, 822-96, DCCYC 0.00) DC NA 13.18514 AT (580256.69, 2ND HIGHEST VALUE IS 5258918.50, 822.96, 0.003 DC NA 3RD HIGHEST VALUE IS 11.50196 AT (580321.63, 5258948.50, 822.66, DC (00:0 NA 11.23352 AT (4TH HIGHEST VALUE IS 11.23352 AT (580243.38, 10.94332 AT (580325.00, 5258931.50, 0.00) DC 822.96, NA 5TH HIGHEST VALUE IS 5258950.00, 0.00) DC 822,96. NA 6TH HIGHEST VALUE IS 10.39631 AT (580275.00, 5258900.00, 0.00) DC 822.96.

*** THE SIMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PMTEN IN MICROGRAMS/M**3

DATE (YYMMDDHH) RECEPTOR (XR, YR, ZELEV, ZFLAG) OF TYPE GRID-ID

DCCYC HIGH 1ST HIGH VALUE IS 106.54626 ON 87121724: AT (580243.38, 5258931.50, 822.96, 0.00) DC NA
HIGH 6TH HIGH VALUE IS 71.48080 ON 87016624: AT (580243.38, 5258931.50, 822.96, 0.00) DC NA

APPENDIX C

Model Electronic Data Files